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PICProto18L Prototyping Board

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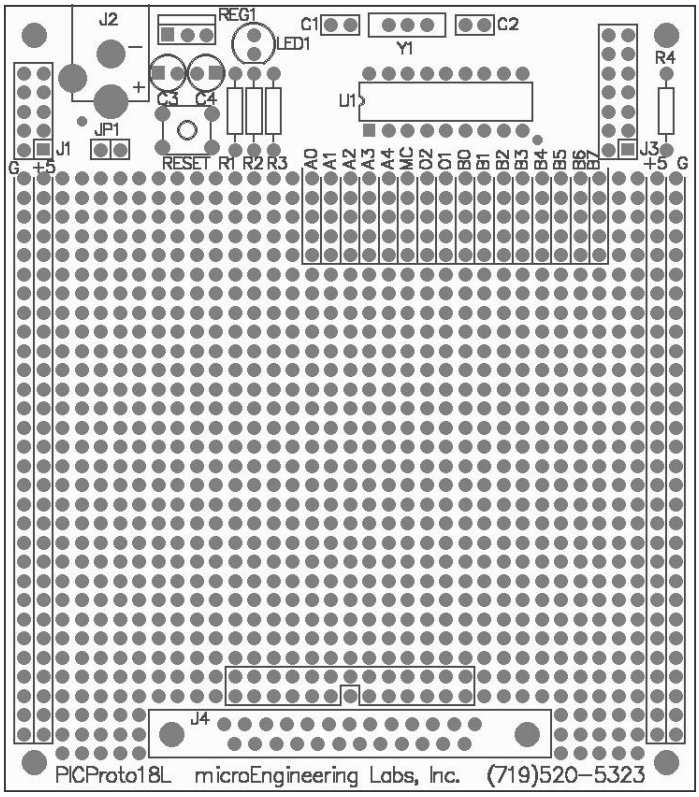
Jameco Part Number
176891



- ❖ High quality double-sided board
- ❖ Solder mask both sides
- ❖ Hundreds of plated-through holes
- ❖ 4 mounting holes
- ❖ Overall dimensions 3.6" X 4.1"

U1 - PIC16C52, 54, 56, 58, 554, 556, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 83, 84
Y1 - crystal or ceramic resonator
C1,2 - crystal capacitors
C3 - input capacitor
C4 - bypass capacitor
REG1 - 5 volt regulator
LED1 - LED
R1 - RESET series resistor
R2 - Master Clear resistor
R3 - LED series resistor
R4 - LCD contrast resistor
RESET - 4.5mm x 6.5mm push button
J1 - EPIC ICSP connector
J2 - Vin connector
J3 - LCD connector
J4 - DB9, 15, or 25

+5 - plus 5 volt buss
G - ground buss

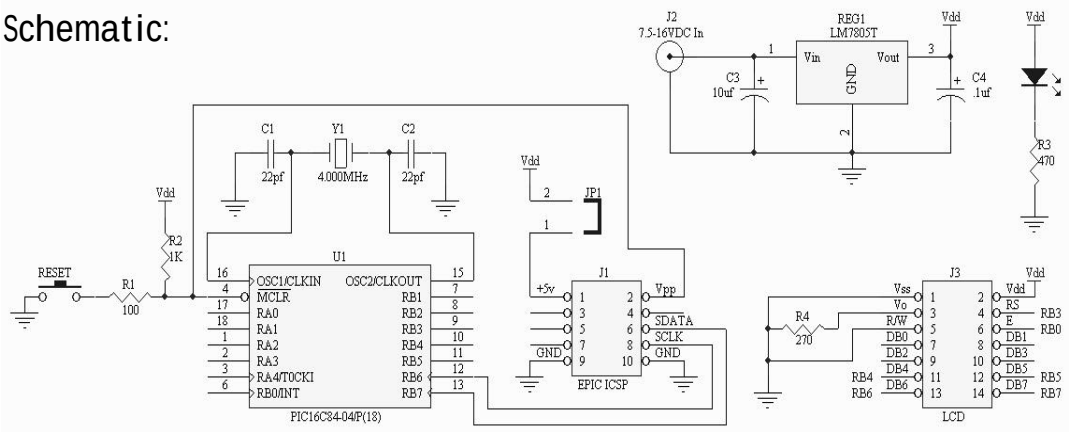
Suggested Parts:

Y1 - 4MHz crystal
C1,2 - 22pf ceramic disk capacitors
C3 - 10uf radial electrolytic capacitor
C4 - .1uf monolythic capacitor
REG1 - 7805T 5 volt regulator
R1 - 100 ohm resistor
R2 - 1k ohm resistor
R3 - 470 ohm resistor
R4 - 270 ohm resistor

Assembly Notes:

Pin 1 of U1, REG1, J1 and J3 is marked with a square pad.
Note polarity of Vin, REG1, LED1 and any polarized capacitors.
The outlined pads above J4 connect to J4.
JP1 may be used to conne on the ICSP.
All unused inputs should be tied to Vdd or ground.

Schematic:



Sources:

PICmicro documentation is available from:
Microchip Technology Inc.

www.microchip.com

microEngineering Labs, Inc.

http://www.melabs.com
email: support@melabs.com